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Further on, as we left the little valley of the right branch of the Keskelen, the granite ended, and was replaced by grey sienite and diorite, and the silver-firs disappeared. We now entered the zone of apricot trees, that is, were below an elevation of 5000 feet; 12 versts from our last camping-ground, the sienite finished. Three versts further on we left the great hills, and reached the hillocky ground at the foot of the Alatau. The hillocks here are covered with alluvial deposits, and stones of greater or less magnitude, sometimes of enormous size, of granite, sienite, diorite, and dioritic porphyry. Two versts from the principal range the Keskelen forces a way through the outlying hills by a very narrow defile, whose steep sides are composed of reddish-violet coloured porphyry, supporting and strangely metamorphising layers of siliceous slate. These layers run E.S.E. and W.N.W., only  $10^\circ$  from parallel and with a dip towards the N. After going through the defile, we entered the plain at the foot of the hills, turned to the east, and, 30 versts further, reached Vernoye in safety.

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XV.—ASTRONOMICAL POINTS fixed by C. V. STRUVE in TURKISTAN,  
from 1865 to 1868.

Communicated by M. ALEX. DE BERG, Consul-General for RUSSIA, in LONDON.

NAMES OF PLACES.	Latitude.			Longitude to the east of Pulkowa.		
	°	'	"	°	'	"
Turkistan (town) .. .. .	43	17	40	37	57	19
Uch-Kayuk .. .. .	43	13	34	37	29	49
Coal Pits on River Bugun .. .. .	43	2	57	39	32	9
Aulieta .. .. .	42	53	44	41	3	34
Fort Merke .. .. .	42	52	20	42	49	19
Fort Tokmak .. .. .	42	50	25	44	54	37
Ak-su .. .. .	42	50	20	43	46	50
Chemkend .. .. .	42	18	8	39	16	19
Tashkend .. .. .	41	18	40	38	56	49
Fort Chinaz .. .. .	40	56	2	38	26	34
Fort Keleuchi .. .. .	40	53	53	39	9	0
Khodjend .. .. .	40	17	2	39	17	20
Fort Nau .. .. .	40	9	7	39	2	30.5
Jizakh .. .. .	40	9	5	37	28	28
Village Kairagatch .. .. .	40	3	20	39	24	6
Fort Zaamin .. .. .	39	58	4	38	2	42
Oura-Kube .. .. .	39	55	16	38	38	23
Yany-Kurgan .. .. .	40	6	50	37	11	50
Samarkand .. .. .	39	38	45	36	38	54
Bokhara .. .. .	39	46	45	34	7	*

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\* The longitude of Bokhara has been ascertained approximatively by the itinerary of the route from Samarkand to Bokhara.